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This index covers all technical items - papers, correspondence, reviews, etc. - that appeared in this periodical during 1995, and items from previous years that were commented upon or corrected in 1995.

The Author Index contains the primary entry for each item, listed under the first author's name, and cross-references from all coauthors. The Subject Index contains several entries for each item under appropriate subject headings, and subject cross-references.

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Automatic test software

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Autonomous vehicles; cf. Mobile robots

Availability

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B

Biomedical equipment safety

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C

Cache memories

Bernoulli superposition of streams, least recently used cache. Levy, H., +, *T-SE Aug 1995* 682-688

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CAD (computer aided design); cf. Design automation software**CASE; cf. Computer aided software engineering****Circuit design; cf. Logic design****Circuit simulation**

T9000 virtual channel proc., model checking via CAD. Barrett, G., *T-SE Feb 1995* 69-78

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Combinatorial mathematics; cf. Graph theory**Command and control systems**

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Computer aided design; cf. Design automation software**Computer aided software engineering**

Hermes programs, design recovery and distributed debugging, proc. clustering. Kunz, T., +, *T-SE Jun 1995* 515-527

program restructuring tool, meaning-preserving, architectural tradeoffs. Griswold, W.G., +, *T-SE Apr 1995* 275-287

Computer applications; cf. Neural network applications**Computer architecture**

PVS formal verification for fault-tolerant archits.. Owre, S., +, *T-SE Feb 1995* 107-125

Computer architecture; cf. Reconfigurable architectures**Computer buses; cf. Data buses****Computer control; cf. Digital control****Computer crime; cf. Data security****Computer engineering education; cf. Computer science education****Computer fault diagnosis**

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Computer graphics languages; cf. Visual languages**Computer graphics software**

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Computer interfaces; cf. User interfaces**Computer languages**

A lang. for implementing lang. processors. Ladd, D.A., +, *T-SE Nov 1995* 894-901

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Computer languages; cf. C language; Hardware design languages; Object-oriented languages; Parallel languages; Simulation languages; Specification languages; Visual languages**Computer network reliability**

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Computer operating systems; cf. Operating systems**Computer performance**

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Computers; cf. Aircraft computers; Distributed computing; Multimedia computing; Multiprocessing; Virtual computers**Computer science education**

Dijkstra-Gries methodology, intell. tutoring syst.. Ng, F., +, *T-SE Mar 1995* 415-428

Control systems; cf. Digital control**Crime; cf. Data security**

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Database query processing

program partition and logic program anal.. Han, J.L., *T-SE Dec 1995* 959-968

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Data flow computing

all-uses, all-DU-paths, and all-edges testing criteria relationships. Parrish, A.S., +, *T-SE Dec 1995* 1006-1009

region anal., parallel elimination method for data flow anal.. Lee, Y.-F., +, *T-SE Nov 1995* 913-926

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Data structures

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Design automation software; cf. Hardware design languages**Digital control**

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Directed graphs; cf. Petri nets**Distributed computing**

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transaction proc. systs., replication control. *Triantafillou, P.*, +, *T-SE Jan 1995* 1-18

Distributed computing; cf. Client-server systems

Documentation

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literate Smalltalk prog., hypertext. *Osterbye, K.*, *T-SE Feb 1995* 138-145

Dynamic programming

software reliab. optim. models. *Sarper, H.*, *T-SE Aug 1995* 701-702

E

Economics; cf. Software economics

Education; cf. Computer science education

Engineering; cf. Reverse engineering; Systems engineering

Executive programs; cf. Operating systems

Expert systems

blackboard framework, integrat. multiple prog. paradigms. *Vranes, S.*, +, *T-SE Mar 1995* 244-262

state transit. anal., rule-based computer intrusion detect.. *Ilgun, K.*, +, *T-SE Mar 1995* 181-199

F

Failure analysis

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Fault diagnosis; cf. Computer fault diagnosis; Software fault diagnosis

Fault tolerance; cf. Software fault tolerance

Infinite automata

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Formal languages

software archit., syntactic theory. *Dean, T.R.*, +, *T-SE Apr 1995* 302-313

Formal logic; cf. Logic

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G

Game theory

protocols, randomized, distributed, expected time anal., scheduler-luck games. *Dolev, S.*, +, *T-SE May 1995* 429-439

Graph theory

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parametric graph drawing. *Bertolazzi, P.*, +, *T-SE Aug 1995* 662-673

Graph theory; cf. Petri nets; Trees (graphs)

H

Hardware design languages

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Hypertext systems

literate Smalltalk prog., hypertext. *Osterbye, K.*, *T-SE Feb 1995* 138-145

I

Iconic languages; cf. Visual languages

Industrial control; cf. Process control

Industrial production; cf. Manufacturing

Industries; cf. Computer industry

Information retrieval; cf. Hypertext systems

Instrumentation; cf. Testing

Integrated circuit design; cf. Hardware design languages

Integrated circuits; cf. Microprocessors

Intelligent systems

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International Organization for Standardization; cf. ISO

Internetworking; cf. Open systems

ISO

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Iterative methods

definite iter. verification, data struct.. *Stavely, A.M.*, *T-SE Jun 1995* 506-514

K

Knowledge based systems

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Knowledge based systems; cf. Expert systems

L

Languages; cf. Computer languages; Formal languages

Learning systems

software develop. effort estim., machine learning approaches. *Srinivasan, K.*, +, *T-SE Feb 1995* 126-137

Logic

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TLA Temporal Logic of Actions for spec.. *Lamport, L.*, *T-SE Sep 1995* 768-775

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M

Maintenance; cf. Software maintenance

Manufacturing

formal methods for software, indust. usage. *Craigien, D.*, +, *T-SE Feb 1995* 90-98

Manufacturing automation software

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Matching; cf. Pattern matching

Mathematical programming; cf. Dynamic programming

Mathematics; cf. Optimization methods

Measurement; cf. Testing

Memories; cf. Cache memories

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Microprocessors

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Military command and control; cf. Command and control systems**Mobile robots**

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Modeling; cf. Data models; Reliability modeling**Multimedia computing**

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Multiprocessing; cf. Data flow computing

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Network reliability; cf. Computer network reliability**Networks; cf. Petri nets****Neural network applications**

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Numerical analysis; cf. Iterative methods

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Object oriented languages

Common Lisp Object Syst., transparent persistence support via metaobject protocol. *Lee, A.H.*, +, *T-SE Nov 1995* 883-893

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Optimization methods; cf. Dynamic programming**OSI (Open Systems Interconnection); cf. Open systems**

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Parallel languages

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Parallel processing; cf. Multiprocessing; Pipeline processing**Parallel programming**

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Parallel programming; cf. Parallel algorithms**Pattern matching**

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software archit., correct refinement. *Moriconi, M.*, +, *T-SE Apr 1995* 356-372

Program interpreters

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Programming; cf. Computer aided software engineering; Computer languages; Logic programming; Object oriented programming; Software design/development; Software maintenance; Software tools**Programming theory**

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Program processors; cf. Program compilers; Program interpreters**Project management; cf. Software development management****Protection/safety**

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Protection/safety; cf. Biomedical equipment safety**Protocols**

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Quality assurance; cf. Software quality

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RD&E management; cf. Software development management

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Reasoning; cf. Cognitive science

Reconfigurable architectures

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Reliability; cf. Availability; Computer reliability; Failure analysis; Software reliability

Reliability growth; cf. Software reliability growth

Reliability modeling

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Safety; cf. Protection/safety

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Search methods

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Security; cf. Access control; Data security

Set theory

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Simulation; cf. Circuit simulation

Simulation languages

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Software; cf. Automatic test software; Communication system software; Computer graphics software; Computer languages; Design automation software; Manufacturing automation software; Simulation software

Software debugging

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Software design/development

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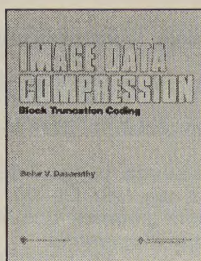


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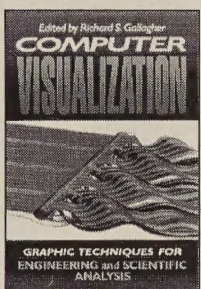


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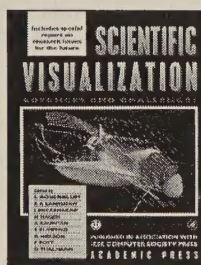
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